

## SEQUENCE LISTING

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LOWE, DAVID G.

<120> DIFFERENTIALLY EXPRESSED GENES IN CARDIAC HYPERTROPHY AND THEIR USES IN TREATMENT AND DIAGNOSIS

<130> 09800081-0006

<140> US 09/554,169  
<141> 2000-08-21

<150> PCT/US98/23953  
<151> 1998-11-10

<150> US 09/189,618  
<151> 1998-11-09

<150> US 60/065,048  
<151> 1997-11-10

<160> 32

<170> PatentIn version 3.2

<210> 1  
<211> 114  
<212> DNA  
<213> Rattus sp.

<220>  
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<223> "n" represents a, t, c, g, other or unknown

<400> 1  
ggtaacctggg tggccaagaa gttgcgnant ttgtntggna gagtggttaag cagtggggtg 60  
gcaaacagac ctggagcaat tgttaccaca cggatgccta taggagcnag atct 114

<210> 2  
<211> 198  
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<213> Rattus sp.

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rgatccaggg aatccctgcag ttccaggagg accaggggga cctgggtgcc cgtcaactgcc 60  
ccgagcacca tcattgcctc gagcacctgc ggctccagga agacctggtc gtcctcgctc 120  
accaggagcc cctctggac ccatggggcc aggagctccg ttgtctcccg gaagaccgtt 180  
ttcaccccttc aatccagg 198

<210> 3  
 <211> 270  
 <212> DNA  
 <213> Rattus sp.

<220>  
 <221> misc\_feature  
 <222> (220)..(220)  
 <223> "n" represents a, t, c, g, other or unknown

<400> 3  
 tccggagtgg acagccagta ggagtagtcg ttccctggagg cgaagttgca gacgttgtg 60  
 atgttgcaga agaggaaggg catggtgctg aacttgcgca gacagctgcc agccgtaccc 120  
 aagtcctgac catggggcccg ctcgtttcct tggacataga gcagagagta cccatggtaa 180  
 agaattttgg tccctggggg acacagcggg tcatctcacn gtctgactat gcctggtcac 240  
 aaggaagcca tggtccacag atggggtacc 270

<210> 4  
 <211> 121  
 <212> DNA  
 <213> Rattus sp.

<220>  
 <221> misc\_feature  
 <222> (10)..(103)  
 <223> "n" represents a, t, c, g, other or unknown

<400> 4  
 ggtacacctcn atttgttccc atgctatcnn atccntaagg atgccctggg ttcccagcca 60  
 ncnnnagtgtc tgcacccnngn aggattgcct gctgnctnntn cnntgacttt tctgttccgg 120  
 a 121

<210> 5  
 <211> 66  
 <212> DNA  
 <213> Rattus sp.

<220>  
 <221> misc\_feature  
 <222> (23)..(27)  
 <223> "n" represents a, t, c, g, other or unknown

<400> 5  
 yggccacggc ggcctgcggg gcntnancgg gttttcctca gggcaaatga tataaggctc 60  
 ggtacc 66

<210> 6  
 <211> 143  
 <212> DNA  
 <213> Rattus sp.

<220>  
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 <222> (35)..(96)  
 <223> "n" represents a, t, c, g, other or unknown

<400> 6  
 gtgcacacac actatagttt tcctgcttgt ccttnngttc tctctggag atggacaacc 60  
 ctc当地aggca ctgattgntg acattnntag ctctgntcct tactcaggca gccagctcag 120  
 ccaaggccccg gtccaaaggga tcc 143

<210> 7  
 <211> 127  
 <212> DNA  
 <213> Rattus sp.

<400> 7  
 rgatcccaag tcacagcatt ttcccacgta actcgactct gaggccatag cctatccaca 60  
 gcctcctcgt cccctgcacc gcccagtgtc tcactggctg tggggagac ggaaattgca 120  
 taagctt 127

<210> 8  
 <211> 147  
 <212> DNA  
 <213> Rattus sp.

<220>  
 <221> misc\_feature  
 <222> (67)..(120)  
 <223> "n" represents a, t, c, g, other or unknown

<400> 8  
 aagcttgcac agatcaaaag aatggAACCC ggtggggac aaggcaata aaaaaactca 60  
 cggcgcattt ctcnnctataa agcggaaacgg tttaatgca gcagtgtgan ttctccan 120  
 ttcccttctctt gggatttcag gggatcc 147

<210> 9  
 <211> 266  
 <212> DNA  
 <213> Rattus sp.

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<220>
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<222> (13)..(176)
<223> "n" represents a, t, c, g, other or unknown

<400> 9
gtgcacggac tgnaggctgt gctcgggcca gtggtgactg cattgccac aggactcatt 60
tactgccacg ctctgcctct ganggtnnnc cangtnnnn annanntnan nggtannnn 120
ntncaaatnt tncaactncn tnaaggtnaa nggnctggg ctncaagaga acgtanctgg 180
ttttggtttt gagatggtgg aggcaagtgg tgctgcttct cttgaactag gggcttctcc 240
ttctgctgag cataggtgaa gctagc 266

<210> 10
<211> 114
<212> DNA
<213> Rattus sp.

<220>
<221> misc_feature
<222> (7)..(105)
<223> "n" represents a, t, c, g, other or unknown

<400> 10
agatctngct cctataaggca tccgtgtggt aacaattgct ccaggtctgt ttgccacccc 60
actgcttacc actctnccan acaaantncg caacttcttg gccanccagg tacc 114

<210> 11
<211> 114
<212> DNA
<213> Mus sp.

<400> 11
agatctggct cctacaggca tccgtgtggt aacaattgctg ccaggtttgt ttgccacccc 60
actgcttacc acccttccag agaaagtgcg aaacttcttg gccagccagg tacc 114

<210> 12
<211> 113
<212> DNA
<213> Rattus sp.

<220>
<221> misc_feature
<222> (6)..(104)
<223> "n" represents a, t, c, g, other or unknown

<400> 12
gatctngctc ctataggcat ccgtgtggta acaattgctc caggtctgtt tgccacccc 60

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ctgcttacca ctctnccana caaatncgc aacttcttgg ccancaggc acc	113
<210> 13	
<211> 113	
<212> DNA	
<213> Homo sapiens	
<400> 13	
gatctggctc ccataggtat ccgggtgatg accattgccc caggtctgtt tggcacccca	60
ctgctgacca gcctccaga gaaagtgtgc aacttcttgg ccagccaagt gcc	113
<210> 14	
<211> 197	
<212> DNA	
<213> Rattus sp.	
<400> 14	
cctggattga agggtgaaaa cggtcttccg ggagacaacg gagtcctgg ccccatgggt	60
cccgaggggg ctcttggtga gcgaggacga ccaggtcttc ctggagccgc aggtgctcga	120
ggcaatgatg gtgctcgaaa cagtgacggg caaccaggc cccctggtcc tcctgaaact	180
gcaggattcc ctggatc	197
<210> 15	
<211> 197	
<212> DNA	
<213> Mus sp.	
<400> 15	
cctggactga agggtgaaaa ttttttttcca ggagacaacg gagtcctgg ccccatgggt	60
ccttagaggggg ctcttggtga gcgaggacga ccagggcttc ctggagctgc aggtgctcga	120
ggcaatgatg gtgctcgaaa cagtgatggg caaccaggc cccctggccc tcctgaaact	180
gcaggattcc ctggatc	197
<210> 16	
<211> 270	
<212> DNA	
<213> Rattus sp.	
<220>	
<221> misc_feature	
<222> (51)..(51)	
<223> "n" represents a, t, c, g, other or unknown	
<400> 16	
ggtacccat ctgtggacca tggttttt gtgaccaggc atagtcagac ngtgagatga	60

cccgctgtgt	ccccaggga	ccaaaattct	ttaccatggg	tactctctgc	tctatgtcca	120
aggaaaacgag	cgggccccatg	gtcaggactt	gggtacggct	ggcagctgtc	tgcgcaagtt	180
cagcaccatg	cccttcctct	tctgcaacat	caacaacgtc	tgcaacttcg	cctccaggaa	240
cgactactcc	tactggctgt	ccactccgga				270

<210> 17  
 <211> 269  
 <212> DNA  
 <213> Mus sp.

<400> 17	ggtaccccat	ctgtggacca	tggcttcctt	gtgaccaggc	atagtcagac	aacagatgac	60
	ccactgtgtc	ccccaggga	caaaaattctt	taccatggat	actctctgct	ctatgtccaa	120
	ggcaacgagc	gtgcccacgg	gcaggacttg	ggtacggctg	gcagctgcct	gcgtaagttc	180
	agcaccatgc	cctttctctt	ctgcaacatc	aacaacgtct	gcaacttcgc	ctccaggaac	240
	gactactctt	actggctgtc	cacgccaga				269

<210> 18  
 <211> 270  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: consensus sequence

<220>  
 <221> misc\_feature  
 <222> (51)..(268)  
 <223> "n" represents a, t, c, g, other or unknown

<400> 18	ggtaccccat	ctgtggacca	tggcttcctt	gtgaccaggc	atagtcagac	nnnnagatga	60
	cccnctgtgt	ccccaggga	ccaaaattct	ttaccatggn	tactctctgc	tctatgtcca	120
	aggnaacgag	cngccccang	gnccaggactt	gggtacggct	ggcagctgnc	tgcgnaagtt	180
	cagcaccatg	cccttnctct	tctgcaacat	caacaacgtc	tgcaacttcg	cctccaggaa	240
	cgactactcn	tactggctgt	ccacnccnnga				270

<210> 19  
 <211> 121  
 <212> DNA  
 <213> Homo sapiens

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<400> 19
ggtaaccttca atgtgttcc atgttaccaa ctccataaag atgccctggg ttcccagcca 60
accaggtact tgcacccaga aggattgccc tccgactaca caatcagttt tctattccgg 120
a 121

<210> 20
<211> 64
<212> DNA
<213> Rattus sp.

<220>
<221> misc_feature
<222> (22)..(26)
<223> "n" represents a, t, c, g, other or unknown

<400> 20
ggccacggcg gcctgcgggg cntnancggg ttttcctcag ggcaaatgat ataaggctcg 60
gtac 64

<210> 21
<211> 65
<212> DNA
<213> Homo sapiens

<400> 21
ggccacggcg gtctccgagg ctatctacgg gttttttca ggacaaatga tgcgaagggt 60
gttac 65

<210> 22
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: consensus sequence

<220>
<221> misc_feature
<222> (12)..(61)
<223> "n" represents a, t, c, g, other or unknown

<400> 22
ggccacggcg gnctncgngg cnntnnncgg gtttnntca ggncaaatga tnnnaaggnt 60
ngtac 66

<210> 23
<211> 143

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<212> DNA  
<213> Rattus sp.

<220>  
<221> misc\_feature  
<222> (48)..(109)  
<223> "n" represents a, t, c, g, other or unknown

<400> 23  
ggatcccttg gaccgggcct tggctgagct ggctgcctga gtaagganca gagctannaa 60  
tgtcancaat cagtgccttt gagggttgtc catctccag agagaacnna aggacaagca 120  
ggaaaactat agtgtgtgtg cac 143

<210> 24  
<211> 141  
<212> DNA  
<213> Mus sp.

<400> 24  
ggatcccttg gaccgggcct tggctgagct ggctgcctga gtaaggacca agccatcaat 60  
gtcaccaatc agtgcctttg agggttgtcc atctccaaa gacatcatat ggcaagcagg 120  
aaaactatga tgtgtgcgcg c 141

<210> 25  
<211> 143  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: consensus sequence

<220>  
<221> misc\_feature  
<222> (7)..(142)  
<223> "n" represents a, t, c, g, other or unknown

<400> 25  
ggatccnttg gaccgggcct tggctgagct ggctgcctga gtaagganca nagcnannaa 60  
tgtcancaat cagtgccttt gagggttgtc catctccan aganancnna ngncaagca 120  
ggaaaactat nntgtgtgng cnc 143

<210> 26  
<211> 127  
<212> DNA  
<213> Rattus sp.

<400> 26

agatcccaag tcacagcatt ttcccacgtt actcgactct gaggccatag cctatccaca	60
gcctcctcgt cccctgcacc gcccagtgtc tcactggctg tgttggaaac ggaaattgca	120
taagctt	127
<210> 27	
<211> 147	
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tttcgcttta tgnngagaat ngcaccgtga gttttttat ttgcctgtc cccacacggt	120
tccatttctt ttgatctgtc caagctt	147
<210> 28	
<211> 146	
<212> DNA	
<213> Mus sp.	
<400> 28	
ggatccccctg aaatcccgga gaagagcctg ggaagaatca aactgatgca tttaacgcgt	60
tctgctttac acagaggatc gcaccgtgag ccgtgctatc tgtcctgtcc ccacacggtt	120
ctgtttcttt tggctgtgc aagctt	146
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<222> (18)..(134)	
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ggatccccctg aaatcccnga gaagnnnntg ggaagaantc anactgntgc atttaanncg	60
ttnngcttta nnnngagnat ngcaccgtga gnnntnntat ntgnncntgtc cccacacggt	120

tcnntttctt ttgntctgtg caagctt	147
<210> 30	
<211> 265	
<212> DNA	
<213> Rattus sp.	
<220>	
<221> misc_feature	
<222> (90)..(253)	
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ctagttcac ctatgctcag cagaaggaga agccctagt tcaagagaag cagcacccac	60
tgccctccacc atctcaaaac caaaaccagn tacgttctct tgnagccag ncccnttnac	120
cttnangnag ttgnaanatt tgnannannt nacnnntnan ntnntnnnngn acntgganna	180
ccntcagagg cagagcgtgg cagtaaatga gtcctgtggc aaatgcagtc accactggcc	240
cgagcacagc ctncaagtccg tgcac	265
<210> 31	
<211> 267	
<212> DNA	
<213> Mus sp.	
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agcctccacc agctcaaaac caaaaccagg tacgctctcc tggaggccca ggccccttga	120
ccctgaagga ggttagaggag ttggagcagc tgaccagca gctgatgcag gacatggaac	180
accctcagag gcagagcgtg gcagtgaatg agtcctgtgg caaatgcaat cagccactgg	240
cccggtgcaca gcctgcgggtt cgtgcac	267
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<212> DNA	
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ngcctccacc anctcaaaac caaaaccagn tacgntctcn tgnagnccca gncccnttna	120
ccntnangna gntnnannan ttgnannann tnacccnnna nntnnnnng nacntggann	180
accntcagag gcagagcgtg gcagtnaatg agtcctgtgg caaatgcant canccactgg	240
ccc	243